DIONEX

PULSED ELECTROCHEMICAL DETECTOR PROGRAMS

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MP MASTER
MA32860

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PRINTING HISTORY

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PROGRAMS FOR PED

The following Dionex prepared programs are already stored in your PED. You can edit these programs as you would any program which you enter. An explanation of each program's use and application is given below.

Amperometry Mode

Program B

Example program for cyclic voltammetry. Sweep rate is 100 mV/s. Turn S1, position 2 OFF (Normal Scan). With position 2 ON (Rapid Scan), all times are divided by 10. The cycle period would be 2.8 s and the sweep rate 1 V/s.

t (s)	E (V)
00.0	-0.80
14.0	0.60
28.0	-0.80

Integrated Amperometry Mode

Program 1

Carbohydrates using a gold working electrode and the Ag/AgCl reference electrode (position 3 of S4 ON).

		Integration Period	
t (s)	E (V)	Begin (s)	End (s)
0.00	0.10	0.30	0.50
0.50	0.10		
0.51	0.60		
0.59	0.60		
0.60	-0.60		
0.65	-0.60		

Program 2

Carbohydrates using a gold working electrode and the pH reference electrode (position 2 of S4 ON).

		Integration Period	
t (s)	E (V)	Begin (s)	End (s)
0.00	0.40	0.30	0.50
0.50	0.40		
0.51	0.90		
0.59	0.90		
0.60	-0.30		
0.65	-0.30		

Program 3

Example integrated amperometry program for amines on a gold working electrode using the pH reference electrode (position 2 of S4 **ON**).

		Integration Period	
t (s)	E (V)	Begin (s)	End (s)
0.00	0.25	0.20	0.70
0.20	0.25		
0.30	0.65		
0.40	0.65		
0.50	0.25		
0.70	0.25		
0.71	1.20		
0.90	1.20		
0.91	-0.60		
1.00	-0.60		

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